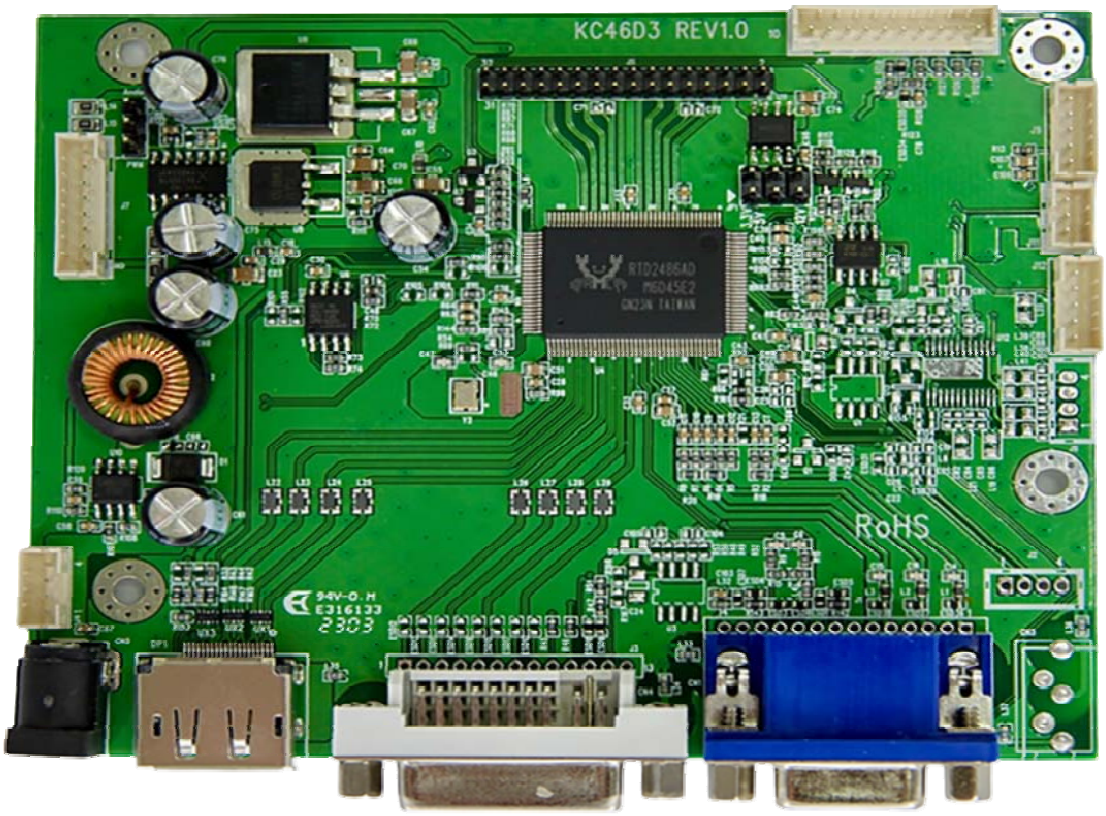
KC46D3



A/D board option

Mode	Teleview part no.	Description
1	C46D3486AIP--	VGA+DVI+DP,audio
2	C46D3486NIP--	VGA+DVI+DP,No audio
3	C46D3486NP0--	VGA+DP,No audio
4		
5		

A/D board option (Wide temperature)

Mode	Teleview part no.	Description
1	C46D3586NIP--	VGA+DVI+HDMI, audio
2		
3		
4		
5		

Features

- Compatible from VGA up to Full HDresolution(1920x1200) TFT LCD panel.
- Supply single pixel(24bits)or dual pixel(48bits) digital RGB output.
- Support Vertical refresh rate up to 75Hz for VGA~1920x1200 and 60Hz for higher resolution of VESA Standard Timing.
- Support VGA analog standard input signal 15-pin D-Sub connectors (option).
- Automatic detection of separate synchronize and composite synchronizes of VGA.
- Support Digital Signal input DVI 1.0 (option).
- Support Digital Signal input Display Port (option)
- Support Audio Amplifier function (option).
- RS232 support (option)
- IR remote control (option)
- DC 12V input .
- RoHS compliant .
- Operating temperature : 0 ˚C to +50 ˚C.
  -30 ˚C to +80 ˚C (Wide temperature).
- Storage temperature : -40 ˚C to +60 ˚C.
  -40 ˚C to +80 ˚C (Wide temperature).

1. Support Timing Table

Mode	Resolution	V Freq.(Hz)
1	640*480	60/75
2	720*400	70
3	800*600	60/75
4	1024*768	60/75
5	1280*720	60
6	1280*1024	60/75
7	1360*768	60
8	1440*900	60
9	1680*1050	60
10	1920*1080	60
11	1920*1200	60

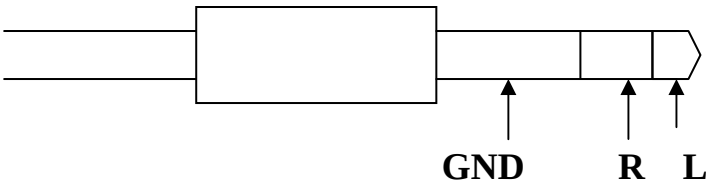
2. Connector Description

- Connector List

Connector	Function	Note
CN1	VGA connector	D-15F
DP1	Display Port connector	
CN4	DVI connector	DVI-D(single link)
CN3	Audio Line-in Jack	ϕ 3.5
CN5	Power connector	ϕ 2.5
J4	Power connector	PH 2.0mm.4Pin.180°
J5	LCD Panel for LVDS	PH 2.0mm.32Pin.180°
J6	Key pad connector	PH 2.0mm.10Pin.180°
J7	LED Driver connector	PH 2.0mm.8Pin.180°
J8	Speaker connector	PH 2.0mm.4Pin.180°
J9	UART Connector	PH 2.0mm. 5Pin.180°
J11	IR Connector	PH 2.0mm. 3Pin.180°
J12	Ext. Amp. connector	PH 2.0mm. 5Pin.180°
JP1	3.3V/5V/ 12V selector	PH 2.5mm.2x3Pin.180°
JP2	PWM / Analog selector	PH 2.5mm.3Pin.180°

Pin definition for connector

CN3 : Audio Line-in connector (phone jack ϕ 3.5)



J7: Inverter Connector (2.0mm 8 Pin DIP)

Pin	Function	Note
1,2	12V Input	Power supply of +12Vdc
4,6	GND	Ground
3	Brightness control	0V – 5V Analog or PWM
5	ON/OFF Control	5V ON;0V OFF
7,8	5V	+5Vdc

Note : 2.0mm 5 pin connector(Pin1~5) is used for standard 12V input And stand alone Inverter .
2.0mm 3 pin connector (Pin6~8) is used for 2-in-1 power supply with 5V input .

J6: Key Pad Connector (2.0 mm 10Pin DIP)

Pin	Function	Note
1	SEL+(RIGHT)	Increase the value
2	SEL-(LEFT)	Decrease the value
3	AUTO	Menu Exit or VGA Auto adjusts
4	MENU	Enter the main menu
5	POWER	Power ON/OFF
6	LED-G	Green LED (Power ON)
7	LED-R	Red LED (Power saving)
8	GND	Ground
9	N.C.	Not connect
10	N.C.	Not connect

J4: Connector (2.0 mm 4Pin DIP)

Pin	Description	Note
1,4	12V	Power supply of +12Vdc
2,3	GND	Ground

J8: Audio Speaker Connector (2.0 mm 4Pin DIP)

Pin	Description	Note
1	L-	Audio Left-
2	L+	Audio Left+
3	R-	Audio Right-
4	R+	Audio Right+

J9: Connector (2.0 mm 5Pin DIP)

Pin	Description	Note
1	V5B	+5Vdc
2	Key2	ADC Light Sensor option
3	Tx	UART TX
4	Rx	UART RX
5	GND	Ground

J11: Connector (2.0 mm 3Pin DIP)

Pin	Description	Note
1	V5A	+5Vdc
2	IR	Interrupt input
3	GND	Ground

J12: Connector (2.0 mm 5Pin DIP)

Pin	Description	Note
1	L_10W	Line out Left
2	R_10W	Line out Right
3	Mute_AMP	Control AMP Mute
4	STB_AMP	Control AMP Power
5	GND	Ground

JP1: Panel B+ 5V/3.3V/12V selector (2.5 mm 2*3Pin DIP)

Pin	Description	Note
1- 6	3.3V	Power supply of +3.3Vdc
2 - 5	5V	Power supply of +5dc
3 - 4	12V	Power supply of +12Vdc

JP2:PWM / Analog selector (2.5 mm 3Pin DIP)

Pin	Description	Note
1- 2	PWM	Inverter PWM Control
2 - 3	Analog	Inverter DC Level Control

J5:Panel Connector (2.0 mm 32 Pin DIP)

Pin	Name (8 bit)	Note
1,2,3,4	VDD	Power supply for panel
5,6	GND	Ground
7	RXEIN3-	EvenTx3- Data Pin
8	RXEIN3+	EvenTx3+ Data Pin
9	RXEINC-	EvenTx- Clock Pin
10	RXEINC+	EvenTx+ Clock Pin
11	RXEIN2-	EvenTx2- Data Pin
12	RXEIN2+	EvenTx2+ Data Pin
13	RXEIN1-	EvenTx1- Data Pin
14	RXEIN1+	EvenTx1+ Data Pin
15	RXEIN0-	EvenTx0- Data Pin
16	RXEIN0+	EvenTx0+ Data Pin
17	RXOIN3-	OddTx3- Data Pin
18	RXOIN3+	OddTx3+ Data Pin
19	RXOINC-	OddTx- Clock Pin
20	RXOINC+	OddTx+ Clock Pin
21	RXOIN2-	OddTx2- Data Pin
22	RXOIN2+	OddTx2+ Data Pin
23	RXOIN1-	OddTx1- Data Pin
24	RXOIN1+	OddTx1+ Data Pin
25	RXOIN0-	OddTx0- Data Pin
26	RXOIN0+	OddTx0+ Data Pin
27,28,29,30	N.C.	Not connect
31,32	GND	Ground

Board Dimension :116mm*95mm
Screw holes*4:3.5mm